

1. Identification

Product identifier used on the label

Eaton Synthetic Transmission Lubricant PS-386

Recommended use of the chemical and restriction on use

Recommended use*: lubricants

Unsuitable for use: None known

* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA
Fuel and Lubricant Solutions

E-mail address: RegXcellenceFuelLubes@basf.com

Emergency telephone number

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: preparation

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

| | | |
|-----------------|---|---|
| Aquatic Acute | 3 | Hazardous to the aquatic environment- acute |
| Aquatic Chronic | 3 | Hazardous to the aquatic environment- chronic |

Label elements

Hazard Statement:

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P273 Avoid release to the environment.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.



Powering Business Worldwide

BACKED BY
Roadranger
SUPPORT

3. Composition/Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Distillates (petroleum), hydrotreated heavy paraffinic

CAS Number: 64742-54-7

Content (W/W): ≥ 1.0 - < 5.0 %

Synonym: Distillates, petroleum, hydrotreated heavy paraffinic

Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates

CAS Number: 80939-62-4

Content (W/W): ≥ 1.0 - < 3.0 %

Synonym: No data available.

2,6-di-tert-butyl phenol

CAS Number: 128-39-2

Content (W/W): ≥ 0.2 - < 1.0 %

Synonym: 2,6-Bis(1,1-dimethylethyl)phenol; 2,6-Di-t-butylphenol

Distillates (petroleum), hydrotreated light paraffinic

CAS Number: 64742-55-8

Content (W/W): ≥ 0.2 - < 1.0 %

Synonym: Distillates, petroleum, hydrotreated light paraffinic

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

CAS Number: 72623-86-0

Content (W/W): ≥ 0.3 - < 1.0 %

Synonym: Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based

Phosphorous acid

CAS Number: 10294-56-1

Content (W/W): > 0.0 - < 0.3 %

Synonym: No data available.

Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.

CAS Number: 61791-44-4

Content (W/W): > 0.0 - < 0.3 %

Synonym: 2,2'-Iminobisethanol, N-tallow alkyl derivs.

4. First-Aid Measures

Description of first aid measures**General advice:**

Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

If on skin:

Remove contaminated clothing. Rinse skin immediately with plenty of water for 15- 20 minutes. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.

If swallowed:

Rinse mouth immediately with water. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting due to aspiration hazard. Seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Information on: 2,6-di-tert-butyl phenol

Symptoms: Overexposure may cause: Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

Information on: Phosphorous acid

Symptoms: Overexposure may cause:; corneal injury, skin corrosion, severe pain, coughing, respiratory disorders, dyspnea, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

Information on: Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates

Symptoms: Overexposure may cause:; Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting: harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Keep people away and stay on the upwind side. Breathing protection required.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For large amounts: Pump off product.
For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:
No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Segregate from foodstuffs.

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.
The packed product is not damaged by low temperatures or by frost.
The packed product will not be damaged by high temperatures.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

| | | |
|--|------------------------|--|
| Distillates (petroleum), hydrotreated heavy paraffinic | ACGIH, US: OSHA Z1: | TWA value 5 mg/m3 Inhalable fraction ; PEL 5 mg/m3 Mist ; |
| Distillates (petroleum), hydrotreated light paraffinic | ACGIH, US: OSHA Z1: | TWA value 5 mg/m3 Inhalable fraction ; PEL 5 mg/m3 Mist ; |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | ACGIH, US: | TWA value 5 mg/m3 Inhalable fraction ; |

Advice on system design:

No applicable information available.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

| | |
|--|---|
| Form: | liquid |
| Odour: | of peppermint oil |
| Odour threshold: | not determined |
| Colour: | light amber |
| pH value: | insoluble |
| Melting point: | No applicable information available. |
| Freezing point: | No applicable information available. |
| Boiling point: | 200 °C (estimated) |
| Sublimation point: | No applicable information available. |
| Flash point: | 238 °C (Cleveland open cup) |
| Flammability: | not flammable (derived from flash point) |
| Lower explosion limit: | For liquids not relevant for classification and labelling. The lower explosion point may be 5- 15 °C below the flash point. |
| Upper explosion limit: | For liquids not relevant for classification and labelling. |
| Autoignition: | (DIN 51794) |
| Vapour pressure: | The product has not been tested. (ASTM D323) |
| Density: | 0.850 g/cm3 (15 °C) 0.848 g/cm3 (20 °C) 0.842 g/cm3 (50 °C) |
| Relative density: | No applicable information available. |
| Vapour density: | No data available. |
| Partitioning coefficient n-octanol/water (log Pow): | No data available. |
| Self-ignition temperature: | not self-igniting |
| Thermal decomposition: | No applicable information available. |
| Viscosity, dynamic: | No applicable information available. |
| Viscosity, kinematic: | 95.1 mm2/s (40 °C) (ASTM D445) |
| Solubility in water: | not soluble |
| Solubility (quantitative): | No applicable information available. |
| Solubility (qualitative): | soluble solvent(s): organic solvents, |
| Molar mass: | No applicable information available. |
| Evaporation rate: | No data available. |
| Other Information: | If necessary, information on other physical and chemical parameters is indicated in this section. |

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

Not fire-propagating

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions. The product is chemically stable.

Conditions to avoid

No special precautions other than good housekeeping of chemicals.

Incompatible materials

oxidizing agents

Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition: No applicable information available.

11. Toxicological Information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Based on available data, the classification criteria are not met.

Oral

No applicable information available.

Inhalation

No applicable information available.

Dermal

No applicable information available.

Assessment other acute effects

Based on available data, the classification criteria are not met.

Irritation / corrosion

Assessment of irritating effects: Skin contact causes slight irritation. Not irritating to the eyes.

Sensitization

Assessment of sensitization: A sensitizing effect on particularly sensitive individuals cannot be excluded.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Based on available data, the classification criteria are not met.

Genetic toxicity

Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

Carcinogenicity

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

Teratogenicity

Assessment of teratogenicity: Based on available data, the classification criteria are not met.

Other Information

The product has not been tested. The statement has been derived from the properties of the individual components.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

12. Ecological Information**Toxicity**Aquatic toxicity

Assessment of aquatic toxicity: Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Assessment of terrestrial toxicity

No data available concerning terrestrial toxicity.

Persistence and degradabilityAssessment biodegradation and elimination (H₂O)

Study scientifically not justified.

Bioaccumulative potentialAssessment bioaccumulation potential

Study scientifically not justified.

Mobility in soilAssessment transport between environmental compartments

No data available.

Additional information

Other ecotoxicological advice: The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal Considerations**Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

14. Transportation Information**Land transport**

USDOT Not classified as a dangerous good under transport regulations

Sea transport

IMDG Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product. Not hazardous

State regulations

State RTK

NJ

PA

CAS Number

64742-54-7

64742-54-7

Chemical name

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), hydrotreated heavy paraffinic

NFPA Hazard codes:

Health: 1

Fire: 1

Reactivity: 0

Special:

HMIS III rating

Health: 1

Flammability: 1

Physical hazard: 0

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2022/07/12

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

BACKED BY

Roadranger

SUPPORT

**For spec'ing or service assistance,
call 1-800-826-HELP (4357) or visit
www.eatonpartsonline.com
In Mexico, call 001-800-826-4357.**

Eaton

Vehicle Group
13100 E. Michigan Ave.
Kalamazoo, MI 49053 USA
800-826-HELP (4357)
www.eatonpartsonline.com

© 2023 Eaton
All Rights Reserved. Printed in USA.
TCSL0025 0523

Note: Features and specifications listed in this document are subject to change without notice and represent the maximum capabilities of the software and products with all options installed. Although every attempt has been made to ensure the accuracy of information contained within, Eaton makes no representation about the completeness, correctness or accuracy and assumes no responsibility for any errors or omissions. Features and functionality may vary depending on selected options.

Eaton, Fuller, Roadranger, Solo, UltraShift and Fuller Advantage are registered trademarks of Eaton. All trademarks, logos and copyrights are those of their respective owners.